Some medicines must now be mentioned, which have heen recommended for the cure of ohesity, but which analogy and experience do not approve.

Vinegar has been employed by those who are foolish enough to practice upon themselves; but as it produces thinness only hy injuring the digestive organs the benefit is not worth the price paid for it, and no medical man would ever

advise the use of such a remedy.

Indice has been spoken of as likely to do good, from the power it exhibits of stimulating the absorbents in cases of scrofula and tumours. But its moderate use certainly does not cause the disappearance of healthy fat. Indeed it has been noticed by Lugol, and is matter of daily observation at our inetropolitan hospitals, that patients frequently acquire n considerable degree of emhonpoint during the time they are taking iodine. The cases of tamours and of fat are very distinct. As Dr. Pereira remarks, "The enlargements which these agents (mercary and iodine) remove, are not mere hypertrophies; their structure is morbid, and they must in consequence have been induced by n change in the quality of the vital activity; in other words, by morbid action. Medicines, therefore, which remove these ahnormal conditions, can only do so by restoring healthy action." But the notion which causes the deposition of fat in the adipose tissue is, though excessive, of a healthy nature, and harm, rather than benefit, is to he expected from the medicine under discussion; that harm which always accrues from n valuable remedy wrongly employed.—Lancet, 1849.

SURGICAL PATHOLOGY AND THERAPEUTICS, AND OPERATIVE SURGERY.

36. Case illustrating the Difficulties of Diagnosis of Morbid Grouths from the Upper Jaw. By Prescorr Hewert, Assistant-Surgeon St. George's Hospital. [Proceedings of Royal Medical and Chirurgical Society, Dec. 10, 1850.) [The following case is not only interesting as illustrating the difficulties of diegnosis in morbid growths from the upper jaw, but also from the discussion to which its reading gave rise, having elicited the opinions of some of the most eminent men in the profession, relative to the use of amesthetics, the patient having died on the table, and his death having been caused, there is reason to believe, by the chloroform administered. Though long, we republish the roport entire as given in the Lancet (Dec. 28), and bespeak for it an intentive perusal.]

The patient, a man aged twenty-five, was admitted into St. George's Hospital, under the care of Mr. P. Hewett, in May, 1848, with a large tumour, of an irregular shape, occupying various regions of the left side of the face. Present-ing every appearance of having originated in the untrum, this tumoar was found in the front and hack part of the cheek, in the temporal fossa, in the orbit, and in the nostril, extending to the back part of the pharynx; round in shape, hut lohulated; it was firm and elastic to the touch, perfectly movable, and, in the nostril, of a dead white colonr and glistening appearance. The skin, conjunctiva, and mucous membrane of the nose were quite healthy, and no enlarged glande could be detected in any part. The history of the case was, that six years previous to his admission into the hospital, the patient was tron-bled with a disease, supposed to he n polypns of the nose, which had heen easily removed with the forceps; snhsequently, however, the cheek hegan to swell; and the tumours gradually made their appearance in the regions in which they were found; all this had occurred without pain, and with very litthe inconvenience. A year ago caustio had been extensively applied in two different places, large cicatrices making the epots. This treatment had produced no effect on the disease, and no fungating growths followed the application. At different times, there had heen extensive bleedings from the nose, which had somewhat reduced the patient. At a consultation of the surgeons of the hospital, it having heen resolved that, in all prohability, the disease was of the ihrons kind, and connected with the antrum, the removal of the upper jaw was decided upon, Dr. Snow, to whom the surgeons of St. George's are so much indehted for the able manner in which he for a long time administered obloroform at the hospital, baving kindly undertaken to give it on this occasion. The putient being sented in a chair, the operation was performed in the usual manner; but, on removing the superior maxillary and malar hones, it was discovered that the disease was not connected with the upner iaw-it was altogether hehind it The larger portion of the tumour was dissected from off the pterygoid process, to which it was firmly attached. Those portions which were in the orbit and temporal fossa were removed without difficulty, heing for the greater part simply connected with some very loose cellular tissue. The patient, having become faint, was placed in the horizontal postnrc, and a small quantity of stimulant administered, after which be soon rallied. The portion of diseased etructure in the back of the nostril was then removed with a strong pair of curved scissors. The pulse baving again failed, the patient was at once laid on a bed and carried into an adjoining room; different restorative means were made use of, and he appeared to rally somewhat; but shortly afterwards, as the hreathing became embarrassed, an opening was at once made into the crico-thyroid membrane, and, as a last resource, an attempt was made to carry on artificial respiration with n tube; but every effort proved of no avail—the patient soon died. But few vessels wero met with during the operation, and no great amount of blood was lost. Little or no bleeding followed the incision in the neck. The details concerning the administration of the chloroform are given in the following letter from Dr. Snow. A careful examination of the hones removed during the operation showed that, in the superior maxillary, the antrum was all but obliterated, the posterior wall of the sinns baving been forced, hy the tomonr lying behind it, against the anterior one; there was mercly a chink left, the cavity of which was quite free, and lined by bealthy mucous membrane. The malar was much more curved than natural. The structure of both bones was perfectly healthy. The tumours were of a purely fibrous character. At the dissection of the body, it was made out that the tumour had originated in the roof of the left nostril, its main point of attachment having been to the under part of the body of the sphenoid and inner surface of the pierygoid process. Portions of diseased structure were still found in the sphenoidal sinnses, as well as at the upper and hack part of the septum nasi. Some loose bits were also found deep in the temporal fassa, and at the back of the orbit. These were lying in the cellular tissue. They were all connected to each other by slender pedicles, one of which passed through a hele in the perpendicular portion of the palate bone; that in the orbit had reached this situation by creeping through the epheno-maxillary fissure. The hoace were throughout bealthy in structure. The tissue of the growth was purely fibrous. The trachea and bronchiul tubes, even to their minute ramifications, contained n quantity of frothy blood. The etructure of the lungs was crepitant throngbont, but each section presented numerons small, dark spots of ecchymosis, produced by some of the air-cells having been also filled with blood; these organs were otherwise free from disease. The heart was bealthy; its cavities contained small black clots, but the greater part of the blood was thin and fluid, and did not coagulate on exposure to air. The other viscera were quite healthy. In his remarks, Mr. Prescott Hewett principally drew the attention of the Society to the great difficulties which at times were found to exist as to a correct diagnosis of the precise region in which a tumour of the apper jaw had originated. Of these difficulties, the present case afforded a good illustration. The history of the patient, and the various regions in which the tamour cristed, had led to the conclusion that the disease, baving sprung from the antrum, had gradually hurst through some of the walls of this cavity, and thence spread to the epots where it was found. The operation and the subse-quent dissection proved, however, that the antrum had not been the startingpoint of the disease. Mr. Prescott Hewett had little or no doubt that the morbid growth had first hegnn in the nostril, and had subsequently reached the pterygo-maxillary fossa, either hy making its way through the spheno-palatine foramen, or hy breaking down a portion of the palate-bone; once in the fossa, the progress of the tumonr may easily he traced; it passed into the orbit through the spheno-maxillary fissnre, and, in the face, it bad in some parts made the bonce yield, and in others it had so completely moulded itself to their

sbape, erceping over their entaneous surfaces, that the outlines of the bones were scarcely discernible. Mr. P. Hewett's remarks were altogether confined to tumonrs of a fibrous character. The murbid appearances observed about the lnngs led Mr. P. Hewett to ask the question whether the administration of chloroform was advisable in operations about the mouth, where there was likely to he a certain amount of bleeding. He had no doubt that the blood found in the lnngs had got there by passing through the glottis, and he doubted very much if such would have been the case had no obloroform been used. Many surgeons, fearing this aecident, had of late not failed to condomn altogether the nse of chloroform in these cases; but some, being unwilling to submit their patients to such serious operations without it, had adopted a middle course, administering this agent in the first steps of the operation only, boping thus to avoid all risk. It remained still to be proved, bowever, whether, even with this precaution, there might not be danger in using ansestheties in some operations

about the mouth. Mr. Fragusson said that the case was interesting in a variety of respects. It served to illustrate the difficulty of diagnosis in cases of this description. It was evident that the greatest care had been bestowed in investigating the nature of the case; every consideration bad been given to it-as, indeed, no one could doubt on looking to the characters of the surgeons who had given their opinions about it; neverthcless, the disease proved to be somewhat different from what had been expected. It was supposed to bave heen a disease of the superior maxillary bone, but so far as he (Mr. Fergusson) could make out, it was only connected with that bone hy lying in apposition with it. From the description given of the tumour, he should have supposed it to he a tumour of the antrum; and, indeed, had it not been for the very accurate description given by Mr. Hewett, of the compressed and altered condition of this cavity which was observed lying in front of the tumour, he would have concluded that it must have originated in this part. In a practical point of view, there was one feature deserving of special notice. In the description that had been given of the case, he (Mr. Fergusson) had not noticed any allusion to the shape or form of the front part of the superior maxilla. All that was said was that it seemed to be perfectly normal; that there was not any distortion of the alveolar ridge, the teeth, or the nostril. This would have led him to think the tumour deep-seated, as in most cases of tumon in the antrum it sxpands as much in front as at the hack part. When there is not any alteration in shape or distension, in the front part of the superior maxillary bone, especially the alveolar stage, the greatest caution should be used in deciding on an operation, hecauso the tumour, in all probability, would be deep ecated, as in the present instance. He confessed that, in the absence of the particular changes in the alveolar process, to which he had referred, and from the circumstance that the tumour bad extended towards the orbit, and upwards and outwards, so as to involve the zygomatic ridge and fossa, be (Mr. Fergusson) should have felt some hesitation in resorting to an operation. What had occurred here served, perhaps, to show more conspicuously the difficulties connected with such cases. There were many other points, with reference to the pathology of this disease, which he would not then allude to, as they bad been already, on former occasions, discussed in that room. With respect to the influence of chloroform, he (Mr. Fergusson) bad operated very frequently since its introduction, in cases of this description, and some of these operations were very protracted; yet chloroform or ether had been used in these cases, and its application repeated when its ansesthetic effect scemed to be wearing aff; and he had never met with any bad results, or anything which would lead him to believe that it might prove injurious. When chloroform was first introduced, he formed the opinion that it ought not to be used in these cases, because the blood trickling down the throat might perebance enter the larynx, and perhaps produce irremediable mischief. He bad himself refused to operate in one case wherein it was proposed to give ether, but experience bad since taught him that in these there was but little reason to dread mischief from that cause. He even bad had eases in which the blood had trickled into the laryns, and yet no harm bad resulted.

He would wish to ask Mr. Howett how long the operation had lasted, for a proNo. XLII.—Apral. 1851. 33

No. XLII .-- APRIL, 1851.

tracted operation of this kind might exhanst even a strong man. In such a case as this, all the circumstances should be carefully weighed, before the fatal result be attributed either to the operation or to chloroform.

Mr. HEWETT, in reply, said that the first part of the operation lasted for eight or minutes, the hones being ensily separated. Taking the period of fainting, and the conclusion of the operation, the proceedings from the commence-

ment did not exceed twenty minutes.

Dr. Webster inquired whether the blood of the patient was fluid and blackcoloured after death; or, if bubbles of air were found in the cavities of the heart
or reins, as in cases where chloroform was employed in surgical operations,
and which terminated fatally, these appearances were almost invariable? An
answer to these would assist in forming a correct opinion whether or not the
patient's death was in consequence of the chloroform employed to produce insensibility.

Mr. Hewert said that the blood was dark-colonred, and fluid. No air was observed in the heart. He helieved that if the patient had died from the chloroform, it was by suffocation, and not as chloroform noting specifically as a poison

on the mass of the blood.

Dr. Snow said that he could not agree with Mr. Hewett that the chloroform had any share in causing the blood to enter the windpipe of this patient. In the first place, there was no difficulty of breathing during the operation, nor for some time afterwards. It only came on just hefore death, which took place after the influence of the chloroform bad altogether subsided. In the next place, he had administered chloroform in several other operations for the removal of tumours, both of the upper and lower jaw, and there had been no symptoms, in any instance, of blood having entered the lungs. He exhibited chloroform, almost every week, in operations about the mouth and nostrils, in which there was a good deal of hleeding—such as the operations for epulis, for assal polypi, and for harelip, and cases in which a number of teeth were removed at once, and yet in no instance had blood got into the lungs. The operation for harelip, when the infant was laid on its back, with its head in the lap of the operator, perhaps put the glottis to as severe a test as any operation. He had administered chloroform, in nearly tweaty cases, with the child in this position, since Mr. Hewett's case occurred; and he had also seen the operation performed in this way several times, in King's College Hospital, without the chloroform. There was a good deal of splittering, whether this agent were employed or not, but in neither case did any symptoms of blood having entered the lungs ever supervene. He had performed some experiments in relation to this subject. In one of these, a kitten having been made so insensible that it did not flinch on being ent, was immersed over head in tepid water, coloured with logwood, and allowed to remain half a minute. During this time it moved its rihs in the attempt to brenthe, but did not draw in any water, for it recovered readily from the chloroform after being withdrown; and being then killed, its traches contained no froth, and was not stained by the logwood. Flourens had pointed out, on the introduction of the inhalation of ether, that the functions of the nervous centres were abolished under its influence, in the same order as in asphyxia; and this was equally true of chloroform. But it was not found in asphyxia, hy submersion, that a person began to fill his lungs with water as soon as he became unconscious; on the controry, but little water was drawn in even during the last gasps which took place as he was dying. Indeed, as the glottis was nn organ of respiration, it was to be expected that it would retain some amount of sensibility as long as breathing continued. As the blood, in Mr. Hewett's ease, seemed not to have entered the windpipe by the wound made after death, in order to perform artificial respiration, it must have entered just before, when the patient was in a state of collapse, and moribund. There were spots of ecclymosis in the lnngs, as be witnessed; but the quantity of blood was not enough to cause denth so soon, nithough it might have produced ill effects, had the patient survived. With regard to the fluidity of the blood in the denths cansed by chloroform, he thought that it was prohably due to the artificial respiration which had been employed, for he had not found the blood quite finid in one animal ont of a grent number which he bad killed with that agent.

Mr. Henry Charles Joneson had assisted Mr. Hewett in the operation under consideration. Now, it was suggested that the death might he accounted for in three ways, each distinct from, and unconnected with ehloroform. First, the patient might have sunk from the length of the operation; secondly, he might have inhuled the blood during the existence of the syncope; and thirdly, the blood might have trickled through the wound in the trachea, and thus have produced suffication. In answer to the first of those suggestions, he would reply that the operation was not longer than is usually the case in similar proceedings; the first steps were rapid, and the operation was only suspended during faintness: including the second part of the operation, tho whole proceeding was not so long as is frequently the case in operations about the face. He thought this disposed of the first suggestion. With respect to the second suggestion, he was not aware of any case, where, in consequence of syncope during, and collapse after an operation, hlood passing down the throat had found its way into the windpipe. Thirdly, the operation of opening the larynx was performed when the patient was expiring; the opening was made rapidly; there was scarcely any blood at all, and he helieved none had escaped into the wound. Now, had chloroform any influence in producing the fatal result? For his own part, he had, since the occurrence of this case, ahandoned chloroform in all operations about the face. Whether chloroform did or did not facilitate the admission of blood into the trachea, might admit of some difficulty of solution; but of this we were sure, that in the case before us, in which chloroform had been used, blood did get into the trachea and down the bronchial tunes, and death was the result.

Mr. Barlow was certainly quite under the impression that the mnn's life was destroyed by chloroform. It seemed far more reasonable, far more agreeable to the actual circumstances, to suppose that such had been the case than to conclude that death had been owing to the operation simply. It was gratifying to hear Mr. Fergusson state that he had removed the upper jaw so frequently, where chloroform had been given, without may had result; this might happen, and yet some degree of risk have attended its administration. Six cases might do well, but the seventh might he followed by the issue of Mr. Hewett's. Looking to the effects of chloroform on the glottis and respiratory muscles, which could in no wise be moderated often, he doubted the propriety of chloroforming the patient in such an operation as that described; for a fatal case had happened in spite of the skilful administration of the anæsthetic ngent, and an operation performed with as little delny as that case allowed of. There was no fault attaching to the giver of the chloroform; they were discussing quite another question. Ho thought the inquiries of physiologists deserving of some consideration in reference to the general operation of an extremely pow-erful agent. He had often experimented therewith, and he knew of nothing which so extraordinarily affected the muscular irritability; the high irritability of the hatrachia was destroyed by it with a wonderful swiftness. In the case hefore them, blood appeared to have flowed through the glottis, hecause it was inirritable; the patient could not eject it, hecause coughing was impossible, so that he was endangered doubly. Mr. Burlow concluded by requesting his distinguished friend, Dr. Marshall Hall, to favour the Society with his valuable experience of the operation of this agent upon animals.

Dr. Marsuall fall observed, that he had listened with the deepest interest to the details which had heen read to the Society, which he thought was under great obligations to the author for hringing forward so interesting a case, involving so important a question as that of the administration of chloroform; for it was this, in its largest sense, to which the communication gave rise. He (Dr. Hall) had performed a vast number of experiments on the effects of chloroform on the animal economy, and if he had been asked the question relative to its probable effect on the human subject before it had ever heen administered to it, ho should have said that its administration would he attended with the utmost adager. He helieved that he might declare, that the effects of chloroform on the animal system, hy inhalation or imbinition, are displayed, first on the cerebral, secondly on the spinal, and thirdly on the ganglionic systems, respectively, in relation to time. It required the utmost skill to timit its opera-

tion to the first of these; and if its influence extended to the second, there was danger, from the failure of respiration; and if to the third, there was sudden death, from the eessntion of the circulation. The transition from one of these stages to the other was upt to be sudden, and unexpected dissolution was the terrible consequence. This event had taken place in the haman subject; it had been then referred to unsuspected disease of the heart or lungs, but in this opinion he had no confidence; in experiment, the same unsuspected event has occurred. We remember the occurrence, in a lecture by Mr. Brande, at the Royal Institution. That gentleman having placed a guinea-pig under the in-finence of chloroform, it fell on its side. The lecturer is reported to have said, "The animal will speedily recover from this momentary chility;" but it never did recover! Ho (Dr. Hall) had seen the same unexpected death repeatedly. And yet it was said that many hundreds, any, some thousands, of patients, had been placed under the influence of chloroform at St. Bartholomew's Hospital without a single fatal result. The hospitals of St. George and of St. Thomas had heen less fortunnte. Still it was marvellous how few accidents had occurred. This he ascribed entirely to the extreme caution and skill with which this dangerous agent had been administered, and much credit was due to those praiseworthy members of our profession who have devoted themselves specially to this responsible task. It was not in hospitals, however, but in private practice, that, from the want of equal experience, the danger of administering chloroform was greatest. It was accordingly in private practice that fearful events had most frequently taken place. In general, he helicved the fatal result had occurred from the influence of the chloroform on the ganglionic system and the heart. In the case before the Society, it was obviously from affection of the spinal system and defective reflex or diastaltic closure of the larynx. This orifice hecame paralyzed in its excitability and in its contraction, and the blood present in the mouth was drawn into the larynx and bronchial tuhes, inducing asphyxia. That the nffection took place in the order he had mentioned was obvious from the simplest experiment. If a frog were inclosed in a tumbler inverted over a plate, and exposed to the vapour of five drops of chloroform, it soon ceased from voluntary, and then from respiratory move-ments; afterwards the circulation failed. He might also remark, that, tried in this manner, chloroform was a far more dire and active poison than even hydrocyanic acid. There was no question, he thought, that the vapour of chloroform was more dangerous than that of ether, and he had often wondered that it should have been preferred as an anaesthetic agent. Before he sat down, he hegged leave to communicate a fact of some interest to the Society. The fellows would doubtless remember the case of amputation read to it some time ago, said to have been performed during a state of anæsthesia induced by mesmerism. It was argued by him, nt the time, that the reported perfect immobility of the patient proved too much. Volition being removed, there ought to have been reflex movements. He understood that the man and since confessed that he acted the part of un impostor!

Dr. COPLAND remarked that one circumstance had not been, he thought, smilliciently noticed by the speakers: he alluded to the question, whether the ahock of an operation was grenter or not, and more or less dangerous, when chloroform was administered. He believed that the shock was greater, and the danger increased when chloroform was administered; he believed that the reaction which followed no operation when no ehloroform was given was sulutary and advantageous to the putient, and thought the abock was greater when you deadened sensihility in any way. In the case under discussion, it was not known whence the blood in the bronchi had originated. Now, when death occurred from chloroform, the lungs were congested, and the blood in a fluid state. Chloroform relaxed the small vessels, and hence we might explain the presence of the blood in the hrenchi and air-cells, hy supposing it to have heen an exudation from the lining membrane, consequent upon the twofold caused a relaxed condition of the capillaries, and in unusually fluid state of the blood.

Mr. Teacr said, in this case it appeared, from the statements of all who were present, that the man railled from the syncope. Now he never heard of, or saw, a case in which such reaction took place, when chloroform destroyed the

pstient. Was the death attributable to the influence of shock? In no case, he believed, did blood get into the lungs in operations about the teeth and face when chloroform was used.

Dr. Annison said that, in a fatal case which be saw, death was preceded by the cessation of hemorrhage from the part under the knife; the beart having become remarkably enfechled, and baving ceased to beat. On what grounds did Dr. Snow declare so confidently that the patient did not die of chloroform?

Dr. Snow said that there was no room to suppose that the patient had died from the influence of the chloroform, for, nt the heginning of the operation, when the insensibility was greater than at any subsequent period, the patient was only in what he termed the third degree of narcotism; and the fourth degree, in which there is relaxation of the muscles and stertorous hreathing, could be induced with perfect safety, and was often even in eperations. Mr. Barlow had stated that there appeared no other cause for this patient's death than the cbloroform; be (Dr. Snow) considered that there were sufficient canses. The operation itself was one which the eurgeon considered dangerous under any circumstances, and thought it his duty to explain that danger to the patient. In this ease it had to be undertaken in a subject blanched by previous loss of blood; and ngain, unusual difficulties were met with during the eperation: the tnmour could not be all removed, oozing of blood continued, and the wound could not be closed; consequently the eperation might be considered, in some sense, as lasting to the time of death. There was also the shock arising from pain, which was altogether prevented, only in the early part of the operation, in this case. Of all the operations that he had seen, during the three years that he had constantly attended St. George's Hespital, this appeared the most formidable, and the patients having recovered from the immediate effects of all the ether eperations, under other and chloreform, it seemed hard upon the latter agent that it should be hlamed in this case.

Dr. WEBSTER apologized for repeating his question, respecting the morhid appearances noticed in the bloed; as he considered them essential in deciding whether death was produced, in the case under discussion, by chloreform or otherwise. In most of the patients acknowledged to have died from the employment of that agent, air was met with in the heart or veins, whilst the blood was always fluid and black coloured. Undoubtedly, a person might sink from so severe an operation as the ene performed hy Mr. Hewett, and which was somewhat similar to a case under the care of the late Mr. Liston, where the patient never rallied from the shock, hut died very soon afterwards, although chloroform had not been employed. This might also have occurred in the present instance; but he (Dr. Wehster) thought, notwithstanding the arguments used, and the explanations made that evening, the death of the individual whose bistory has been now detailed to the Society, was chiefly owing to the anæsthetic agent employed, and not from the eperation, however severe.

Mr. PRESCOTT HEWETT replied that no air was found in the heart, and the

veins were not examined in reference to the point.

Mr. Charles Hawkins said that conflicting epinions respecting such a case as this prevented younger ourgeens from arriving at any conclusion respecting the employment of ebloroform in this class of cases. He had seen Mr. Hewett perform this operation, and he never recollected to bave eeen a patient die so soon after an operation. Patients were rarely, indeed, carried away from the operating table merely to die. The case was more like one in which sudden death resulted from the escape of air into the veins. He would inquire, then, what really was the cause of death in this case? Mr. Fergusson did not attribute it to the chloroform, as be bad performed the same kind of operation in six cases since this ene, under that agent. He (Mr. Hawkins) had been surprised to bear Dr. Copland express bis opinion that the ebock of an operation was greater under chloroform than without it. He had always thought the contrary to be the case. If, however, Dr. Copland was right, his opinion offered another argument against the use of this agent. He had seen a patient die suddenly from the shock eccasioned by the passage of a hougic.

Mr. Cæsar Hawkins said that it was naturel for Dr. Snow to throw off the

blame from the chloroform; but he (Mr. Hawkins) would remark, that there

could be no kind of reflection cast upon the uperator; for all who had witnessed the eareful and ecientific manner in which Dr. Snow administered this agent would be sure that every precaution as to snfety would be taken. Now, he believed that the dentb resulted from the presence of the blood in the larynx, and that this blood would nover have found its wny into that passage unless chloroform had been administered. It was a vory rare accident, and offered no sufficient reason why we were to ahandon the use of chloroform. Notwithstanding what Dr. Marshall Hall had said respecting the dangerous character of this agent, it had heen employed in St. Burtholomew's Hospital in 6000 cases, and in St. George's Hospital from its first introduction into practice most extensively, and yet this was the first case in either hospital in which mischief had resulted from its employment. No doubt, obloroform was n etrong poison, and in St. George's Hospital it had never heen given, he believed, as in St. Bartholomew's, in petty operations, such as drawing a tooth, &c. The only places, he helieved, in which deaths had resulted from chloroform were the Borough hospitals, two deaths having occurred in Gny's and one in St. Thomas's. In these cases be helieved that the chloreform was administered by inexperienced persons, and not, as in most other hospitals, by an operator of Dr. Snow's acknowledged nhility and experience.

Mr. Solly said that the fatal case which had occurred in his practice had been published by him in all the medical journals. It was quito true that in St. Thomas'e Hospital no one was appointed to give the chloroform, but etill the effects of the agent upon the patient were watched by a competent porson. In his case the surgery-man had certainly held the chloroform, but a dresser watched the patient, and all at once said, "The pulse is flagging." The patient died almost immediately. He thought chloroform killed by paralyzing the heart. In Mr. Hewett'e case, he thought the loss of blood produced syncope, and the chloroform so paralyzed the heart as to prevent reaction, and the patient died. In two operations for removal of the upper, and one of the lower jaw, which he had performed, he had relied on the heart recovering from the syncope, to get rid of the effects of the loss of blood, and should not give chloroform when much loss of flood was likely to result from operation. Did Mr. Hewett's

patient inhale the chloroform sitting or lying?

Mr. HEWETT .- Sitting.

Mr. Benjamn Paulirs said that there seemed amongst the epeakers to he very great difficulty in arriving at any satisfactory conclusion respecting the cause of death in Mr. Hewett's caso. But surely every gentleman present must he aware of the fact, that cases of the kind were hy no means of uncommon occurrence hefore ether or chloroform were employed in surgical operations. A great many cases were on record, where the patient died during the operation; they were as inexplicable as this case, but they did occur when no chloroform had heen employed.

37. Results of the Use of Chloroform in 9000 cases at St. Bartholomene's Hospital. By Mr. Serv.—One of the most interesting questions connected with the subject of operative surgery relates to the use of anesthetic agents employed for the purpose of suspending the function of sensation. This question has assumed a moral, as well as a medical type. It has been urged, that sensation is a natural function of the living urganism, and that to suspend it by artificial agency is to set at nought the ordinances of nature; and that man is born to suffering, as evidenced by the sensibilities of his body. If the coundness of thie argument be admitted, it would be difficult to draw a line which would define the boundary at which moral and immoral suffering meet; or to say, in what form of suffering our remedial agents may be justifiably resorted to. The sensibilities of our frame are not given us by nature to the end of promoting prin, but to cnable us that not it. Corporal suffering is no part of the discipline of the mind; nor can it even be generally asserted that its excess exercises a salutary influence on the character. Every movement of our hody instinctively points to the avaidance of hodily suffering; why, therefore, should we not as readly and analysicationally employ the agency of ancestored the contractions for the purposa of suspending bodily pain, under the circum-

stances of an otherwise painful operation, as we endeavour to mitigate the hodily suffering of any other patient cast down on a hed of sickness? Will not the objection to the anesthetic action of upinm to a region affected by a neuralgic pain, or to the system generally, hold as strongly as that of another agent of the same principle given to avert the pain of an uperation?

The medical arguments against the use of anesthetic agents have a somewhat better foundation. That great and sudden determination to the brain, and an unnatural circulation of vennus blond, result from their employment,

is undeniable.

It is undoniable, if the quantity administered be large, and long continued, that symptoms resembling those of apoplexy present themselves, in the form of extreme congestion of the vessels of the face, stertorous respiration, and total insensibility; and it cannot be denied that necessionally its full administration leads to headaeh, vertigo, and langum of some days duration; and cases are recorded in which death itself has followed in the course of nn hour or more after its employment. It must be observed, however, in pursuing this question in strict accordance with the laws of evidence, that we have no proof, in the eases above referred to, that death was the direct effect of the supposed cause. The parties administering it were not fully experienced in the mode of its application. They entertain the opinion that death was referable to it, while it cannot he disputed that the fatal issue may he attributable to other causes: and, in one example, it appears more reasonable to refer the death of the individual to a suspension of the function of respiration by violence, than to any ohnoxious agent circulating through the lungs, or hrain. On the other hand, the records of St. Barthnlomew's Inspital point to its successful administration in upwards of 9000 eases; in not one of which, including the aged and the young, the healthy, the infirm and the asthmatic, has its employment left a stain on its character, as an innecessure agent of good. Under all circumstances, its careful employment may he unhesitatingly resorted to in all cases, excepting only such as are marked by determination to the brain of an apopleotic type; secondly, under circumstances of great and serious exhaustion from loss of blood; and, thirdly, in diseases of the heart. In these conditions of the system, it is perhaps better avoided.

The agent in general use is chloreform, and one word may he added as to its administration. It appears indisputable that its influence on seasation pre-cedes that on consciousness. I have employed it on several occasions, in which a patient has been conscious of all that has been passing around, and yet who has declared himself to have been totally insensible to pain. This state of his system has arisen from the moderato use of the agent, ample, indeed, for all purposes of utility, though somewhat difficult to regulate in quantity sufficient

for the required object.

I prefer its gradual administration. I do not think it desirable to exclude atmospheric air, employed as a diluent during the process of inhalation. Its influence should be gradual, ant sudden. I emisider its application through the medium of a cambric handkerchief laid on the face, preferable to the use of instruments made for the purposo of excluding atmospheric air, and food should be rigidly avoided before its administration, atherwise siekness will

frequently follow.

Against the occasional convictions or objections of others to its employment, I place the strong, and to my nwn mind the unanswerable fact, that it has been successfully used in so large a number of cases in St. Bartholomow's Hospital since the period of its introduction; that these cases have been indiscriminately taken, and that its objections have not yet made their appearance before the observant eyes of the medical staff of that institution, either by promoting danger during the operation, or protracting the recovery of the patient after it. In one class of cases its employment is especially applicable, viz., in that form of disease in which the pain of an operation is the chief warrant for its nonperformance, and in which the recovery from a chronic disease is left to nature, that might he greatly hastened by the hand of art; such, for example, as the removal of a piece of dead bone.

Up to the period of the introduction of chloroform, a surgeon was very un-

willing to subject a patient to the painful process of sawing and chipping may portions of dead bone, with a view to reach the medullary cavity, he-canse the operation was both a painfal and a protracted one. The consequence was, that an hospital bed was occapied by a patient thus affected, for many months, to the sexlesion, perhaps, of three or more claimants, who would have snecessively occupied it. But by the nid of chloroform the operation is now performed unconsciously to the patient, and the period of his recovery greatly ahridged. With the three exceptions above mentioned, I cannot besitate in strongly recommending its administration in all cases of large surgical operations; helieving its discovery to be the greatest flessing conferred on the profession of surgery during the last century; and although I have seen its employment pushed, on many occasions, apparently to the verge of apoplexy, I cannot say, even in such examples, that the good has not largely predominated.—Operative Surgery.

38. Pathology and Treatment of enlarged Subcutaneous Bursa.—We have given, in a preceding department of this number, the nuntomical necount of these structures by Mr. WM. Coulson, and we insert here his observation on the pathology and treatment of them, extracted from the London Journal of Medi-

cine for January last.

A correct knowledge of the situntion, volume, form, and position of the superficial or subcutaneous hurse, will, on most occasions, enable the surgeous to appreciate the character of a tumour due to an increased secretion of the fluid in the interior of these sacs, to n thickening of their walls, or to an inflammatory action set up around and within their tissues. The symptom which naturally first attracts attention is the existence of an oral, colourless, elevated swelling, is an unusual situation. Should the surgeon happen to be ignorant of the previous existence there of an original hursal apparatus, for the protection of the integaments and for facilitating motion, he is at first lost in conjectures as to what the swelling may be. This has often happened. But, aware of the existence of the superficial hurse, and of the localities which they constantly occupy, the first glance at the case not unfrequently reveals to him all he requires to know. I need not therefore dwell on this symptom, remarking morely that the tumour may be small or large, movahle, colourless, or deeply inflamed; or occasionally ulcerated on its surface, and discharging pus and serons-locking fluids; or, hy long neglect and the influence of time, it may annear as a firm unvisibling tomour.

or deeply inflamed; or occasionally ulcerated on its surince, and discharging pus and serons-looking fluids; or, hy long neglect and the influence of time, it may appear as a firm unyielding tamour, without fluctuation or elasticity. Even when uncomplicated, the enlarged hursæ occasionally, though not uniformly, give rise to symptoms meriting attention in a history of these affections. A certain amount of inconvenience is often felt, vnrying in intensity with the volume, situation, and condition of the swelling. The enlarged naconal hursa, for example, may attain a considerable size, and yet give rise to no more inconvenience than a slight sense of weakness after fatigue; even the patient hursa may he enlarged without proving troublesome to the patient. But in others, and these, perhaps, form the majority, it is otherwise. Those in the hand, especially the carpal, cause a great sense of weakness; they are unseemly, and the deformity hecomes so unpleasant to the patient, as to induce him to request the removing of the swelling at all risks. In like manner, those over the malleoil deform the foot, and cause other inconveniences. Much lameness often accompanies the enlarged patellar hursa; whilst the enlargement of the hursa over the first joint of the great toe produces not unfrequently the most intenso suffering. Inflammation and suppuration follow; and death has been known to superveno from such a course, when injudiciously interfered with by the surgeon. Generally speaking, then, the symptoms indicating the presence of an calarged hursa are sufficiently well marked to lend to neorrect diagnosis.

A knowledge of the courso of the tendons will cnable the surgeon to discriminate between the enlargement of a superficial hursa, from that more trouble-some and dangerous affection, the enlargement of the deep or profound; and he will regalate his treatment accordingly. Of these I do not speak at present, confining my remarks wholly to the system of the superficial bursa. These swellings, then, interfere with the free use of the limbs in which they happen

to ocenr. The integuments may inflame and suppurate, and in this condition to the ease may for the first instance be brought to the surgeon. If neglected now, they cause intense suffering. The cause of the pain is not uniformly the same. In the enlarged horsa over the great toe, for example, considerable pressuro may he endured, provided a corn has not happened to he induced hy that pressure over the enlarged hursa. When this happens, the pain hecomes in-tolerable, and is seemingly disproportimed, if I mny say so, to the other symp-toms and appearances; but it is well to knnw this, for the partial removal of the corn by the knife will often give immediate and great relief. A very usnal symptom is a tingling sensation running down the limb, often attended with tenderness on pressure.

The position of the cnlarged popliteal hursa necessitates a careful diagnosis: it may be mistaken for nhecess, or for other still more dangerons affections. It

is sufficient merely to caution the surgeon on this point.

The detection of the enlarged hursæ in the nxilla, and in the groins, and the discriminating them from other diseasee will occasionally require great attention on the part of the surgeon.

Enlargements of the superficial hurse have frequently, no doubt, heen confounded with encysted tumours; their sequelæ also present difficulties in the way of a correct diagnosis, to he overcome only hy a careful cheervation and history of the case.

Enlarged bursas may be either simply enlarged, or the enlargement may be accompanied with inflammation and all its usual appearances. Erysipelas may arise in the conrse of the disease; or nt least, ordems of the superficial fascia

or cellular layer, in which the hurse are situated.

Pathology.—The morhid anatomy of this system of organs has not been made the subject of any extensive researches. What has heen observed amounts to this: the contained fluid, which in health merely hedewe the surfaces of the sac, increases in quantity and alters more or less in quality. Originally, perhaps, more complex than chemists suppose (such at least seems to have been the opinion of Schreger), it may undergo further changes, as a result of chronio or acute inflammation. At times, the fluid resembles the outer layer of the crystalline lens, or the vitreous humours; that is, it partakee more of the character of a semi-solid than of a liquid; at other times, it is much more fluid, or it is more serous, ohviously less abounding in albumen.

The semi-fluid substance has sometimes a yellowish appearance; at other times a reddish hue; sometimes it ie very fluid, of n dark, dirty colonr, the product, no doubt, of an inflammatory action. The sac may be wholly ob-literated, or its walls so gready thickened and condensed as to represent a solid tumour; or the enlarged burson may show a dropsical character, with softening of the inner membrane, perforations, and enlargement of the traversing tendinous cords. The absence of many of these hurse may depend, no doubt, on their obliteration in early years from blows, pressure, or other neci-

dental violence.

The morhid appearances found in connection with the enlarged hursa of the great too have little or no reference to the smaller harsa itself, but to the deformity caused by the simultaneous displacement of the metatareal and digital hones of the toe. Nevertheless, whon, by n separation or spreading ont of the distal end of the metatarsal bones, the head or extremity of the first metatarsal hone becomes so prominent on the inner side of the foot as to be mistaken for nn osseous tumour, the integuments passing over it become much attennated in those cases where the deformity occurs in the adult. If eongenital, or occurring in early years, no such attenuation huppens. The hursa itself, on dissection, presents a variety of morbid appearances, according to the progress made hy the displacement of the motatarsal bone, and of the phalanges of the toe. The ligaments also undergo changes, but I cannot say that I have ever observed the formation of accidental harsæ amougst their fibres. Fungous growths have heen seen growing from the inner surface of enlarged hursm; and ill-conditioned sores are also sometimes present, depending partly on the nature of the surfaces affected, and partly on the constitution of the patient.

Causes .- A variety of causes likely to produce enlargement and snhsequent

disease of the saperficial burses, have been stated by systematic writers. Unfortunately, however, by confounding these argans with the deep hurses and synorial sheaths of tendons, or hy a meagreness of detail, many otherwise interesting observations have failed to improve our knowledge of the disease. The formation of accidental hurses I have shown to be, in every instance, doabtful, whether on the prominent part of the spine in deformities of this column, or in any other part of the body. The inflammation and ealargement of the harses over the great toe, happen how it will, is merely an ealargement of a

bursa already existing there, and not a new formatioa.

Ealarged hursm are frequently ascribed to severe pressure, sudden or loag-coatianed, to blows, or other external violence; and to such a cause, no doubt, many cases may be traced. At ather times, bursm enlarge wholly independent of any such causee. It has been usual to speak of the calarged patellar bursa as "the bousemaid's knee," of the calarged ancoant hursa as the "miner's elhow," etc.; but many cases of enlargement of the hursm cannot be so explained. Thus, then, they not unfrequently originate without any assignable canse. It has been said that corns and hunions (diseases very opposite in their nature, though, strangely caough, associated in surgical works), and ealarged hursm, ganglions, and tumours, are much more numerous in the rich than the poor; of this, however, I have my doubts. The mechanical causes assigned for the production of the enlarged hursa over the great toe, and for the deformity of the foot, so frequently preceding re-calargements of the hursa, and giving rise to it, can he distinctly refuted. I alludo more especially to the theory that such deformities and diseases are caused by tight shoes.

It merits notice, that those who stand out most for the efficacy of mechanical causes in the production of such diseases, have uniformly avoided offering any explanation of the circumstance, that the disease I have just alluded to (ealarged hursa ia the deformed foot), appears first not unfrequently in one foot, and is even confined to that foot, be it right or left; but if a rigid shoe were the producing cause, both feet eaght clearly to be affected simultaneously. Again, when ealarged hursæ occur, which cannot he traced to any mechanical injary, it not unfrequently happens that they occur at once in both limbs; this need not surprise us, as the laws of symmetry go far to explain the occurrence. Some have carried the idea of the production of enlarged hurem by accidental causes so far as to include under the same category the actual formation of the healthy sacs, creating the system whose nature I now describe. They have also found hurse in cituations where I cannot say I have ever observed them; namely, around coras, and hetween these semi-horay productions, and the truo skia: hut no such productions exist so far as my observations go, nor are they required to explain the intenso suffering arising from the pressure over a corn. The wedge-shaped body is at that moment clowly, but surely, growing inwards, piereing the true skia, and tearing its delicate structures asuader. Take off the pressure, or remove the offending wedge, and the pain ceases.

Treatment.—It has been shown that many of the subcutaneous hurse of the hody are occasionally wholly absent, or, in other words, nover were present. In this sense, thea, they are not essential structures, at least act in these persons. But it has also, I think, been proved that such burse, when enlarged, may be obliterated by pressure, or the same result may be affected by pressure and puncture combined; or by inflammation, suppuration, granulation, and consequent adhesion of sarfaces; or, lastly, when, being thoir original character, they have attained, by means of fibrinous deposits, the appearance and nature of a solid tumour, they may be extirpated by the knife, and so altogether removed. These considerations, aided by a sound anatomy and physiology, which we owe chiefly to Schreger, have led me to the adoption of a simple mode of treatment, applicable to most, if not to all cases, of enlarged hurses.

Let me first suppose, that a case of enlarged bursa, unaccompanied with any other affection, no matter where placed, presents itself; that of the great too meed form no exception; an enlargement of the natural patellar, ancound, or malleolar hursa; the question arises, how is it to be treated? Abundanco of evidence exists to show, that the treatment by rest and pressure, simple friction, blistering, friction with mercurial ointment, iodine, etc., all hut uniformly fail in effecting a permanent cure.

When these fail, reconrse is had to a puncture, which, made with a lancet, amounts generally to a short incision; or an incision, more or less extensive, is made into the enlarged bursa, the contents evacuated, and pressure applied. This method, no doubt, succeeds; but it is nunecessarily severe, and is not unattended with danger, even in the nncomplicated class of eases. But it not unfrequently happens that, before the surgeon has seen the case, inflammation of the integuments, and of the superficial fascia in which the hursa lies, has set in, with more or less soverity. Now, in such cases, the modes of treatment 'alluded to are clearly inapplicable, and have occasionally been attended with very serions results.

Mr. Key, in an excellent memoir on ganglia or bunion, distinctly refers to a ease in which death happened from the incantions interference of the surgeon. He is speaking of the enlarged hursa on the great toe, which complaint, when complicated with the peculiar deformity I have already spoken of, he calls hunion. "I have known," he says, "gangrene of the foot and death ensne from opening an inflamed and suppurating hunion; and in three cases, exfoliation of the hones, with a most tedious and painful suppuration of the surround-ing structures." He condemns all interference in such cases, in which opinion I coincide, although maintaining very different views, as to the nature of the affection, from those of the distinguished eurgeon whom I have just quoted.

The mode of treatment which I prefer to all others is simply puncturing of the enlarged hursa with a grooved needle, such as is used for exploring tumeurs and swellings of doubtful character. After the evacuation of the contents, pressure is applied by means of somp-plaster and handage; this is renewed from time to time, and puncture of the sac repeated if necessary. The result is uniformly a permanent and safe cure. If to this we add the almost painlese nature of the operation, we have in this mode of treatment all that is satisfactory to patient and surgeon.

When the enlarged bursa becomes seriously inflamed, we should endeavenr, by rest and other means, to subdue the inflammation; nevertheless, a puncture such as I have described may be practiced, even in these cases, with advantage

to the patient.

In a case of anconal bursa, accompanied by high inflammation, I punctured the swelling with a grooved needle; pressure was employed; no bad results fellowed, and the patient recovered. Miss M., æt. 50, applied to me, October 18th, with an enlargement of the bursa ever the right electanon, the skin being highly inflamed. The inflammation had existed for ten days, and became so severe as to compel her to seek advice. I punctured it, and two teaspoonfuls of dirty-looking screus fluid came out; presente was applied, and at the tenth day she recevered.

Sometimes the integrments over the bursa ulcerate, and under these circumstancee pressure may also be employed, as in cases of simple puncture. In cases of long standing, when the enlarged sac has put on the appearance of a sarcomatous tumour, excision is no doubt the remedy, having a duc regard to the integuments. The mode of treatment by the seton has been strongly recommended by many good surgeons, and I have myself adopted it with success; but a more enlarged experience has convinced me that this mode of treatment, hesides being a tedious and nnnecessary process, is not on all occasione nnattended with danger. I think it only applicable to those cases where the question arises as to their destruction by the seton, or removal by the knife.

The following interesting cases were communicated to mo hy my friend, Mr.

Cocks, of Hatfield, who has kindly permitted me to publish them.

"I had," says Mr. C., "for several years, an enlarged bursa on the second into the left thumh, produced by a blow on the fore part of the saddle, in checking the hridle of my borse. It became as large as a pea and was rather annoying and unsightly; I punctured it with a lancet, when a pinkish crystal-line mass came from it; pressure was applied, and it healed. It soou grew again, and again, and the same operation was repeated. But, tired of this plan, after opening it, I rubbed the inside with a camel's-hair hrush, dipped in a solution of nitras argenti (4 grs. to 5j of water). In a few days, it suppurated; the lining membrane slonghed away; it soon healed, and has been so for more

than a year. The next case was under my son. A servant girl, from London, had a very large bursa on the left onter ankle, just below the end of the fibula, etretching across the dorsum of the foot, about two inches long, and at least an stretching across the dorsum of the loof, about two incressions, and at least an inch wide. She had applied to several medical men in town, all of whom advised, 'nothing to be done.' It was opened by my son; solution of nitrate of eilver was injected into it, and pressure by compress and bandage applied. In a few days, the greater part of the sac was obliterated; tho fluid (which in this was limpid) collected in the non-adhering portion. The same treatment was applied to this part, which was followed by considerable swelling of the foot and leg. The inflamed leg was treated with cold saturnine letion; but a warm ponltice was applied to the tumour, in order to hring on suppuration as soon as possible. The case went on favourably; and in three weeks she was able to go about quite well."

No cases of enlarged bursm have attracted more attention than that of the great too; when painful and enlarged, it is difficult to treat, for reasons I have partly explained. So much confusion prevails in surgical works, as to the true nature of the proper method of treatment of this troublesoms bursa, when snlarged and inflamed, that I may hope to be excused, if I again direct attention to it. The hursa situated on this part may become enlarged and painful, liks any other superficial hursa, and require, for its relief and cure, the treatment I have recommended. But that which, in a peculiar manner, complicates the pathology of this enlarged hursa, is the accidental deformity caused by a projection inwards of the digital extremity of the first metatarsal hone. The phalanges of the great toe itself turn ontwards to such an extent as to overlap, or pass under, those of the second-a deformity, in fact, amounting to all hut complete dislocation. As the metatarsal hone recedes more and more from the second, the digital extremity seems to enlarge, causing a remarkable prominence ia wards of this part of the foot.

In the mean time, as the deformity increases, the barsa is placed daily under pressure, more and more severe; the same shoe no longer fits the form of the foot, now much broader in the distal extremity of the metatarsal region; the bursa enlarges, and hecomes extremely painful. A succession of hurse form on the same spot; they open, and perhaps suppurate; and cases are stated to have occurred in which the joint itself has been laid open, and caustic applied to the inner projecting portion of the metatarsal bons, as if it were of morbid

growth.

The disease, then, in its most aggravated form, that is, when complicated with this deformity, consists, simply, in an inflamed hursa, generally produced hy pressure, with a partial dislocation of the great toe, mainly dependent on a displacement inwards of the digital end of the metatarsal bone. As these two affections are quite distinct, though often confounded, I need not here inquire as to the causes giving riss to the deformity. It will be sufficient to observe, that tight shoes, or rather shoes no longer fitting the altered form of the foot, however they may give rise to an calargement of the bursa, in no case produce the deformity; for it is now universally admitted that the deformity is most frequently congenital, or comes on in very early lifs; that it occurs in hundreds who never wore shoes or hoots, and that, even when present, it does not necessarily give rise to enlarged hursæ. The cases which most frequently coms bofore the surgeon occur in persons who get the deformity after the meridian of life. The deformity takes place as a result of the weakening of those structures binding together the metatarsal hones; the larger one recedes from the second, and the muscular forces, acting on the great toe, assist in adding to the deformity, by causing it to approach the others. The treatment of such complex cases is exceedingly difficult. It is here that rest, in the recumbent posture, becomes absolutely necessary; the inflammation must be subdued, or allowed to subside. Should a corn have formed on the enlarged bursa, it had better he cautiously pared down, as the ekin has probubly become much thin-ner over the bursa. When the foot has become tranquil, other questions ariss as to the treatment, chiefly hearing on the form of the shoe; a hoot, properly mads of very soft leather, such as is worn in France, may be used without aggravating the complaint. Shoes, I apprehend, are had, as they necessitate a

somewhat tight ligature over the instep; this canses intense pais immediately helow it, or nearer to the toe. In time, the integraments may and do hecome accustomed to the form of the foot, and the harsa no longer enlarges. This, I think, is the ordinary course of events, even in cases hy no means unfrequent where the deformity has proceeded to its greatest extent. When the deformity is natural to the person, the hursæ do not naturally enlarge, and therefore give little or ao troublo.

39. Treatment of certain cases of Hare-lip.—[E. A. LLOYD, Esq., in a clinical lecture on surgery, lately delivered at St. Bartholomew's Hospital, related tho two following cases of complicated hare-lip, which were highly interesting from the successful application of a new mode of overcoming the difficulties met with

in some complicated cases.]

Case I.—Hare-lip, with a large portion of the superior maxillary bone projecting through the fasure, cured by operation.—The child, Eliza Fisher, was admitted in Sept. 1849, during the time I was absent from town, and when Mr. Paget was attending to my patients in the hospital. On my return she was handed over to me in a most emaciated state, perfectly pallid, and with patches of estema impetiginodes on different parts of the face and hody, with diarrhea, very little appetite, and altogether in such a miserable state that no one would have been switted in notional surface and recreign at that time

have been justified in performing any surgical operation at that time.

A largo portion of the superior maxillary beas was projecting through the cleft of the lip; not perpendicularly in the natural position of the heae, bat turned apwards and forwards, and projecting horizoatally, in a direction nearly at right angles with the aormal position of the teeth. The fissure extended through both hard and soft pelate. The state of the child's health was at that time so had that it was little expected there would ever he an opportuaity of performing an operation. But, in a short time, by the employment of appropriate medicines, the diarrhea was checked, the condition of the stomach improved, the appetite increased, and in a few weeks, the health of the child was so far improved, and it gained so much flesh and strength, that it was considered means might he commeaced to obviate the deformity without any risk. Before uniting the fissure in the lip, it was necessary to get rid of or change the position of the projecting piece of the superior maxillary heae. The practice is a this hospital has hitherto beca to cut off the projecting part; but this plan leaves a gap in front of the hone which is never filled up, and which remains a deformity for the whole of a patient's life, and interferes materially with the power of articulation.

In order to obvinte this iacoaveaience, it was nttempted to push the portion of hone hack into its proper place, by keeping continual pressure on it hy means of a pad. This plan was tried for soveral weeks, but it failed entirely. I then determined to forcibly break down the piece of hone with a strong pair of forceps, to hend it into the gap, and leave it to hecome fixed there. This was easily accomplished, the soft parts having heen previously divided. A small compress of lint was placed over the part so as to confine the hone in its

aow position, and kept in its situation by means of ndhesive plaster.

No bad symptom whatever followed this operation, and the piece of hoae was easily retained in its new place, and in ahout a fortnight it became firmly fixed there. By this means the gap in the superior maxillary hoae was eatirely filled up. The ordinary operation for hare-lip was now performed; viz., the edges of the fissure in the lip were pared, and the two even surfaces were hrought together in the asual way with hare-lip pins.

There was some considerable difficulty, however, in doing this, for the nose was twisted; also one side of the fissure in the lip was much longer than the other: so that in order to adjust the edges properly, it was necessary to pare the edge of the shorter side of the fissure in such a manner as to make the raw surface of a convex form; thus leaving a surface on the shorter side of sufficient length to unite to the whole of the longer edge of the fissure.

The nppermost hare-lip pin was discharged by nlceration on the third day, which resulted from the great force required to hring the parts into contact at

the time of the operation; and in consequence of this a small aperture was

The other pin was allowed to remain two or three days longer; and when it was removed the two raw surfaces were found to have firmly united helow, but the aperture left by the ulcerating out of the upper pin still remained. The edges of this aperture having healed, it became necessary to detach the euticle from them, and then bring them into contact as in the first operation.

I have always found that strong liquor potassæ is the hest eaustic to apply in these cases, for the purpose of detaching the euticle; and in this case it was applied. The two raw surfaces were kept in contact hy means of a long strap of adhesive plaster passed all round the head and above the cars, the two ends heing crossed over the wound in front.

It is necessary to pass the plaster all round the head, otherwise it will frequently slip, and thus fail in keeping the two sides of the eleft in continual

contact with each other.

I have never known this plan of treatment fail in any case. In n few days the aperture was perfectly closed, and the child left the hospital, not only cured of its unsightly deformity, hut likewise in the enjoyment of a good state of health.

Ol. jecoris aselli was continued with marked hencfit during the whole of the

time.

The next case I will relate to you was certainly the most unsightly instance of this deformity I ever met with, and one in which the plan of breaking down the projecting piece of hone, instead of cutting it off, was perfectly successful;

and a most satisfactory cure was the result.

Case II .- Double Hare-lip, with the central portion of the superior maxillary bone so elevated as to make a right angle with the rest of the jaw, cured by operation without cutting off the bone .- In this case, which came under my care at the hospital a few months ago, a portion of the superior maxillary hoae, about half an inch in breadth, with a portion of the lip attached to it, was projecting upwards and forwards, at right angles from the natural position of the bone, carrying with it the septum nasi, and thus clovating the noso in an extraordinary way, the alm nasi being at the same time widely spread out.

This elevation of so large a portion of the front of the face caused a deformity so hideous that the "human face divine" was scarcely recognizable. So dreadful, indeed, was this deformity, that to remedy it by any operation was

almost despaired of.

But I determined to make the attempt, even in this case, feeling assured that all eases of hare-lip, however had they may he, can always he considerably

relieved by operation.

I therefore strongly ndvise you to operate in all cases that may be placed under your care.

This child was also in a most emaciated state; it was brought ap entirely by hand; the nature of the deformity rendering it impossible for the child to take

any of its food in the natural way. As the means most likely to niford support and strength to the infant, codliver oil was given at first, in doses of one drachm, three times a day: hut it was, after a week, increased to two drachms. This having been continued for three weeks the child's health was so much improved, that I determined to

hreak down the projecting piece of bone.

I should tell you that, during the whole of this time, Mr. Ayre, one of my dressers, on whose diligence and attention I can most implicitly rely, had attempted, hy slight pressure continually applied, to press down the projecting piece of bone; hut this was of no more use than in the case I have just related to you. I first dissected up the central portion of lip from the projecting piece of the bone, and then with a strong pair of forceps broke the bone, and forced it down iato the gap. After this was necomplished, a pledget of lint was placed on the broken piece and confined there by means of sticking-plaster carried roand the head and face, so as to prevent the hone from again projecting, having previously raised up the piece of lip which I had detached.

The bone having, in a few weeks' time, become firm in this position, I ope-

rated on one side of the lip in the usual way, and brought the edges together hy one common suture and one hare-lip pin. There was not room for two

This operation was quite successful, and in about three weeks I determined to operate on the other side. Here n difficulty presented itself, the edge of the fissure on one side heing much longer than that of the other, the shorter side being that of the central portion of the lip. The pairing, therefore, of this edge was carried to a certain distance round the lower extremity. By this means the two raw edges were made of the same length, and brought accurately into apposition.

The edges of the cleft readily united, and the patient is now quite recovered. and, instead of heing a hideous chiect, is now a really good-looking child. The nose, too, which was fisttened at first, is at present much more prominent.

The child will be brought to the consulting room to-morrow, when you may

have an opportunity of judging for yourselves of the success of the operation. I never snw so much projection of the hone as in this case.

In cases of very young children, I recommend you always to try pressure for some time when the hone is projecting. It may not unfrequently he reduced by that means, and, in proof of this, I could, if it were necessary, addnee many cases.

On no account cut off the projecting piece, for, although the bighest antbori-ties bave recommended that practice, I feel convinced that it is quite nnnecessary, and that by so doing you will render the nrticulation of the patient im-perfect for bis whole lifetime; and, in many instances, much deformity will

result, from the falling in of the lip, there being no support for it.

Although, indeed, by the removal of the part, you accomplish your object in one operation, that slight advantage should not be considered when the patient's

comfort for life is at stake.

We frequently see persons who have been operated on for hare-lip, with a small V-shaped cleft remaining at the bottom, when the paired edges have not nnited. This, I imagine, arises from the parts retracting helow the lower needle, and not being kept in contact long enough to enable them to unite. I therefore advise you, in order to chvinte this, in all simple cases of hare-lip to make both the raw surfaces of a concave shape; and by this means you will leave a sufficient quantity below the lower needle to allow for a certain degree of retraction, without a gap in the margin being left. This mode of proceeding

I have followed in the hospital for many years.

There is another plan which I have also sometimes adopted to prevent a noteb remaining in the lower margin of the lip. I leave portions of what I slice from the edges of the fissure attached to the inferior angles of the fissure; turn them down with these raw surfaces opposed to each other, and confine them in that situation. By this proceeding, instead of a noteh heing left, the central portion of the margin of the lip may be made to project. It is many years

since I first had recourse to this proceeding.

Sometimes the edges of the fissure are so far apart that it requires greatforce to bring them together, and in these eases they will not readily unite. It is therefore necessary to separate the parts very freely, and far hack on either side; and I have met with enses in which the deficiency of lip has been so great that there was no possibility of keeping the edges of the fissure sufficiently in contact without making a perpendicular incision on each side of the lip, commencing at the outer side of each of the alse nasi. By this means you will always he enabled to bring the edges so easily together that they will readily nnite. The incision should not be carried through the membranc of the mouth, but merely through the common integument and museles. It will sometimes suffice to make an incision on one side only. This cut generally heals readily, and little or no mark remains.

When the surfaces have not united, although the pins bave been taken out or have discharged by ulceration, the edges may he readily kept in contact by s long narrow piece of plaster, bound round the head in the way I have de-

Bandages of various kinds have been recommended for this purpose, and

were formerly much used in this hospital; but I think the plaster a far more certain application, as it is less likely to slip, and is much more easily applied.

The coronary artery will sometimes hleed very freely, but it should naver he tied, for the presence of a ligature would necessarily impede the bealing process, and thus render the cure mare tardy. But it is of course of great importunce to lose as little blood as possible in all operations on children. I therefore always pass the pins through the two sides of the lip as quickly as possible, and then draw the parts together by the twisted suture, without wasting any time in trying to stop the heeding, for that will always cease when the parts are thus brongbt together.

With regard to the age at which this operation is best performed, there has been great difference of opinion; but, so far as my experience goes (and I have operated as early as three weeks and as late as the twenty-first year), I do not think, in simple cases, it makes much difference. In the more complicated cases, the operation should always he performed at the earliest period.

I should, however, avoid, as far as possible, the period between six months and two years, because dentition is then going on. As a general rule, I think that the enriler you operate the better; for the most successful case I ever had was in n child, as stated above, only three weeks old.—Medical Times, Feb. 1,

40. Excision of the Head of the Fenur.—Mr. HAVNES WALTON read a paper on this sahject before the Medical Society of London, December 14, 1850. After remarking upon the diversity of opinion concerning the propriety of this operation, the author said, the leading question was, at what stags of the disease the operation should be performed. There were two considerations to be taken into account: 1, the local; 2, the constitutional. With reference to the first, be thought, when the discharge was excessive, thin, dark, and of bad odour; in respect to the second, when there was much bectio fever. If, on examination, disease of the internal organs could not be discovered, especially of the lungs, the operation should take place. There was a question whether disease would not sconer or later come on in these from the effects of the local disorder appn the constitution, if the local mischief were not removed.

The author did not consider the neetabulum to be so often diseased in morbus come as the bead of the femnr; and that, when diseased, it had greater

power of reparation.

Also believed non-dislocation of the head of the femnr to be diagnostic of soundness of the neetabulum; and thut, hy exploratory incision, or by passing the finger through a sinus, the state of the acetabulum might often be discovered. If there were no disease in the neetabulum, the operation would most probably be successful, although cases had turned out well where there had been disease in that portion of the joint. Out of fourteen cases, twelve of which had been collected from different sonrees—the other two having occurred in his own practice—six had proved fatal; one had died from renal disease, another from hemorrhage from the profundic vein, another from diarrheea; the canse of death in the other three was not given.

The operation was in reality much less severe than it appeared to bo: the wasted state of the parts facilitated the operation, while the loss of blood was

remarkably small.

The author did not advocate removal of the trochanter as well as the head of the bone. The long interrupted splint was the best apparatus to apply after

the operation

Mr. B. Traveas gave great weight to the opinions of Cooper, Clinc, and Hunter, all of whom were averes to the performance of the operation in question. He thought that confidences should be placed in the reparative powers of the body, and that, if the case were really curable, the operation would not be required. Even if the operation were successful, the limh was of but little service. From all he had read, heard, and seen, he was of opinion that the successful cases would bare got well without interference with the knife. The specimen that had been handed round showed attempts at reparation had been made in those where the operation had succeeded.

Mr. DAMPIER ngreed in the main with Mr. Travers.

Mr. CLARER did not consider n case to be cured even if the patient lived twelve months after the operation, and that death was hastened by the operation.

Mr. CHALE spoke of the difficulty of diagnosing this disease from lumbar and passes nbscess, and questioned if the disease were removed with the head

of the bone.

Mr. Gay could not coincide with Mr. Travers; the process of reparation in bone was so tardy that this knife should be employed to assist anture, and that by its use much constitutional irritation could be spared the patient. He would not advise the use of the knife when the manifestation of scrafulous disease was very active.

Mr. H. Suffi mentioned the result of some successful cases. One, a boy, st. 13, operated on in 1845, was now bearty and active, and could walk from Hollowny to London. Another, operated on two years ago, a female, st. 13, was seen yesterday by bim, and found in a very comfortable condition, and could walk a mile without assistance. Both were Mr. Fergusson's cases. Another (Mr. Morris's of Sandding) case, operated on in 1849, was quite well, had perfect motion with the tbigb, and could walk a sbort distance.

He had seen mistakes made concerning the position of the bead of the bone, and the operation given up in consequence after the first incision bad been made. The operation was advisable, because, by preventing anchylosis, the

mal-position of the limb was obvinted.

Mr. LLOVD had paid considerable nttention to the operation in question. In some cases, but very rare ones, the operation was to he performed: he had seen patients who bad died from the effects of the profuse suppuration solely; no disease could be found in the internal organs. He thought that most cases of the disease commenced as synoritis, and not from scrafulous deposit in the head of the bone, which latter canse of disease be looked upon as unfrequent.

Mr. Coulson was of opinion that hip disease was generally of a scroulone origin, and as amenable to constitutional treatment; that the operation should be put in force at the last stage of the disease, when all bope of recovery hy other means was given up; that the constitutional disturbance was not due to the local malady, but both had the same origin.

He stated that four post-mortems at the Margate Infirmary had shown the acetabulum to he extensively diseased. In respect of the cases brought forward by Mr. H. Walton, be thought the operation should not have heen performed in many of them.—London Medical Gazette, December, 1850.

41. Case of Ovariotomy; Spontaneous Disappearance of Ovarian Tumours.—
George Norman bus recorded, in the Provincial Med. and Surg. Journal (Jan.
kth, 1851), no interesting case of ovarian tumour, in which be nttempted extirpation, but was unable to succeed in consequence of extensive adhesions,
and also alludes to some very interesting cases of spontaneous disappearance
of similar tumours.

The subject of the case was twenty-three years of nge. When admitted into the United Hospital, 19th Sept, "the tumour nppenred to be nenly as large as the head of n child nt birth; it was quite movable in the nbdomen, and appeared to be attached below by the braad ligament of the uterus, for no doubt was entertained of its being a tumour of the right ovary. It was firm to the touch and gavo no sonse of finetuation; ber general health bad much given way; she had pain extending over the nbdomen, and at times severe cramps in the bowles; n fold of vagina pratruded full two inches beyond the external pudendum, even when in the recumbent position, and she had endeavoured in vain to keep this up by n pessary before her admission. It was with grent difficulty the os utericould be felt; nfter a considerable examination, it was found nnder the nrch of the pubes. She was kept in bed, took iodide of potassium, and used iodine frictions to the nbdomen, still the tumour increased in size and the pains in intensity.

ity.

"The case was considered, by my colleagues and myself, to be an ovarian tumonr, and that if ovariotomy were ever advisable, this patient's case was one No. XLII.—April, 1851.

34

calling for it. The prolapsed state of the vagina, the weight of the tumonr, and the continued pain, rendering it impossible for her to do anything for her support; the thmour was increasing, and there seemed to be no hope of ite growth being arrested. It was agreed that she should discontinue all remedies for n fortnight. At the end of that time her general health had not improved and the tumon appeared to be as large as the impregnated uterus at the fourth, or be-tween that and the fifth month. I then explained to the patient the unture of the disease, told her that an operation had in some instances heen successful in the same disease, but that the risk was great and the result doubtful. She re-plied that she had expected I should make the proposal to her, that she had quite made up her mind, and was ready to undergo the operation whenever I thought proper. A delay, however, occurred from her expecting to he unwell in two or three days, and it was not desirable to operate at or near that period. She became nawell, and after ten days the operation was fixed for the 8th of November. She left off meat for a few days before, and took a mild nperient. Fires were kept for two or three days in the operating theatre, and also in a small ward adjoining it, where it was intended she should remain after the operation, and where she was directed to go to hed the morning of the intended operation.

"At twelve o'clock on Friday, the 8th of November, Dr. Davies, who kindly undertook to mannge the administration of chloroform, put her fully under its influence in her bed, npart from all those assembled in the theatre adjoining. In a state of perfect nuconsciousness, she was brought into the theatre, and kept in that state during the whole time she remained there. An incision was made in the linea alba, about five inches in length, commencing an inch above the ambilions, and avoiding that, it was extended downwards towards the pubes. The periostenm was raised with a pair of forceps, and opened to nearly the same extent; instead of any part of the tumour appearing, several convolutions of the small intestine protruded; these with some little delay were returned into the ahdomen with great adroitness, hy my colleague Mr. Goro, and retained there. During that time, I had ascertained that the anterior parietes of the abdomen adhered very considerably, and firmly, to the tumour on each side of the incision; also that the adhesions helow were considerable, and apparently insurmountable, and it was then discovered that a portion of the small intestine, full two inches in length, adhered firmly to the anterior part of the tumonr. All hope, therefore, of removing the tumour heing gone, no time was lost for the purpose of ascertaining its precise nature, but the integumonts were brought together hy five common antures, straps of adhesive plaster were applied, some folded lint placed over with a hundage, and she was removed to her hed in the same state of unconscioneness as when she was brought from it. I saw her four hours after; she was then recovering from the effects of the chloroform, but was suffering from sickness, and pain in the ahdomen. Pulse 115, of good strength and fullness. The putient, after continuing in jeopardy for a few days, recovered.

"On the fifteenth day after the operation, it was ascertained that there was no protrusion of the vagina, and it appeared to me on examining the abdomen that the tumour was not of the same size as it was nt the tims of the operation. The lower part of the wound still remained open, but the quantity of discharge was too small to admit of supposing it came from the tumour. The diminution was supposed to arise from the total abstinence from food for some days, the low diet afterwards, and the constant recumbent position. After this time, it impeared to me that the size of the tumonr was gradually diminishing, although she was taking animal food, and hy the end of November it was quite evident that the tumour was not more than half its former size. An examination per vaginam was made. The vngina was perfectly natural, and the os uteri was found in the ordinary position. The patient continued to improve, she gained flesh, and her countenance regained the healthy appearance. She was, however, kept to her bed, as the lower portion of the wound was not quits healed; soon after, however, it healed, and she was allowed to get up, from which she found no inconvenience, and she was shortly able to walk about the ward with freedom. "To account," observes Mr. Norman, "for the very considereble diminution

in the size of the tumonr which has taken place since the operation, is a matter of difficulty, and can only he one of conjecture. It may he that a certain degres of inflammation followed the exposure and the bandling of the tumour (though there was vory little of the latter), and that the vessels of the normal structure of the overy may have poured out fibrin, and so formed a harrier hetween the cysts forming the hulk of the tumour and their supply, and this ultimately may have compressed and obliterated them; but he that as it may, the fact of a most important diminution remains, and as the young woman resides in Bath, I shall

be enabled to know the more permanent result.

"What has occurred in reference to this tumour may throw some light on cases where such tumonrs have spontaneously disappeared, of which I helieve thers are many instances. I had an opportunity of ascertaining one recently. A lady whom I had examined several times nearly twenty years ago had an ovarian tumour full as large as the ons we have been considering. I saw her a fortnight ago on another occasion, and had the opportunity of examining the ahdomen; I could find no trace of the tamour; her account was that the tumour had remained for some years as when I had examined it, that in the last few years it had gradually diminished, that latterly she could only occasionally find it, and that it was very small. I did not find it, but it may be that, being small, it remains for the most part in the cavity of the pelvis, and she described symptoms which made that probable, but it was not admissible to make an examination per vaginam, to investigate it. Another case has heen recently told me hy Dr. Robert Ferguson, of Park Street, Grosvenor Square, of a lady who consulted him for an ovarian tumour, of considerable size, and in whom, on her returning to him twelve months after, he could find no trace of it. I know another lady, whose abdomen I had frequently examined, who had a similar tumour full twenty years ago. Sir Astley Cooper also examined it, and gave the same opinion I had given. In this lady, who is now living, it produced nothing more than inconvenience, and if I may judge from the altered appearance of her shape, the tumour must now he very much diminished, hat I have had no opportunity of examining it. I have also known an instance whore a considerable tumour of the kind formed a communication with the vagina, and after a continued discharge the tumour disappeared, and this person is now living. I know another lady who had for come years a tumour in the abdomen as large as a child's head, which also produced a displacement of the ntorus and other distressing and painful symptoms, hat which have now entirely ceased, and the tumour became diminished in sizo. Another instance has been related to me hy Dr. Brahent, of a lady who had a large tumour in the abdomen for many years, which always became larger at the time of menstrustion, and which gradually diminished

after the cessation of that function, and finally disappeared.

"I apprehend the case in which I have operated must be placed as opposed to the propriety of the operation, for if in that cass it was not possible to forsknow the existence of insurmountable adhesions, I do not know how anything like certainty can be arrived at; and as this patient's like was certainly in jeopardy for three days, one cannot hat think such explorative operations must be attended with considerable danger. Add to this the proportion of deaths after the tumoars have been removed, and it will appear probable that the halance will turn on that side. The subject, however, is now fully and perfectly under the consideration of the profession, a great mass of information has been gained, and more will no doubt, for it is to be hoped that every case, whether successful or otherwise, will be recorded, and also those cases of ovarian tumours which have remained harmless, as well as those which have proved fatal, and then we may

expect from our profession a dispassionate and correct conclusion."

^{42.} Case of Tumour for which the Operation of Ovariotomy was attempted more than twenty-five years ago, with Dissection.—Dr. Tarlor read to the Edinburgh Medico-Chirurgical Society, December, 1850, the case of Magdaleno Berry, which had heen for twelve years under Dr. Myrtis's observation, and had recently terminated fatally. On dissection, a cicatrix was seen extending from the sternum to the pulses. The abdomen did not appear larger than is usual between the fourth and fifth months of pregnancy. A largo tumour was falt,

strongly adherent anteriorly to the abdominal parietes, occupying the lower part of the abdomen, and movable. On opening the abdomen, strong adhesious were found between the cicatrix and omentum. The vessels of the omentum wera very large, as was reported twenty-five years ago by Mr. Lizara in his account of the operation, which he attempted for the removal of the tumonr. There were firm adhesious between the anterior surface of the tumour and the abdominal parietes, and between its superior and posterior surfaces and the large and small intestines. The peritoneal surfaces of the bowels were adherent at various points. The tumour was found to be a fibrous tumour of the uterus connected with its fundus by a narrow fold of peritoneum. Both ovaries were small, and in their proper position. The uterus was atrophied. There was great softening and dilatation of the heart. The patient, while under Dr. Myrtle's care, was affected with general dropsy. She had derived marked benefit from the use of dimratics and purgatives. Death had taken place from apoplexy. In Mr. Lizara' work on "Extraction of Diseased Ovaries," it is recorded that, immediately after the operation, which it was decreed imprudent to complete, violent inflammatory symptoms supervened, which left permaneutly well-marked results notwithstanding the abstraction of 111 oz. of blood within thirty-six hours or so after the operation, as well as the administration of antiphlogistic remedies. The actual cantery was afterwards had recourse to, as also a setou drawn through the auterior portion of the tumour and superincumbent soft parts. Dr. Myrtle's communication concluded with some observations on the difficulty of arriving at a correct diagnosis in cases similar to the above.

The president made some observations on the case as an additional illustration of the unjustifiable nature of the operation of ovariotomy. The recovery of the patient, after the multiplied dangers to which she was exposed by the incision, the resulting inflammation and the seton, was very remarkable.

Professor Simpson could not agree with the prosident in condemning the operation of ovariotomy as in all cases unjustifiable. It had been performed in many cases in which he believed its adoption was unjustifiable; but where the patient was ovidently soon to die, in cousequence of repeated tappings, or otherwise—and where the question was one of certain and speedy death from the disease, or possible recovery and continuation of life from the chances of the operation—and where, in addition, there was no counter-indication to the operation from adhesions, &c., he believed it might he title duty of the surgeon to afford the patient the chances of escape hy ovariotomy; and the actual number of recoveries after the operation seemed sufficient to justify its adoption under such circumstances.—Nonthly Journal of Medical Sciences, Feb. 1851.

43. Femoral Aneurism cured by Compression.—Mr. SNTLY communicated to the Surgical Society of Irelaud, November 23, 1850, the following case of femoral aneurism, successfully treated by compression:—

"Patriok O'Gorman, aged 48, a schoolmaster, came under my cara in April, 1847, three years and a half ago. He stated that, in August, 1846, eight months before I saw him, when walking at his ordinary gait, he suddenly lost, in a great measure, the use of his right leg, and with great difficulty got on half a mile further. Next day ho could not put his foot nuder him, or leave his bed. He suffered intense pain in the middle of the thigh, in the knee, and down tho outside of his leg. It was so severe as to prevent him learing his bed for a week. It then abated, hut has returned occasionally, with more or less severity ever since. He is a married man, sober, and well conducted. He was admitted into the Heath Hospital on the 14th of April, 1847. A pulsating tumour, tho size of an egg. having all the characteristics of aneurism, existed in the lower part of the middle third of the right thigh. His general health was good. There was exoitement of the circulation, and a slight bruit de souffiet at the heart. In consultation with my colleagues, it was determined to treat this case by compression, so applied as not to interrupt completely the flow of blood in the femoral artery. The patient being hled, and confinement to the recumbent position, heing strictly enjoined, pressure was made at two different points alternately, by means of two chanps—one applied to the exter-

nal iliac artery, the other to the femoral. This trentment was persevered in with more or less assiduity for nearly three months, with no other advantage than a diminution in the size of the tumour. Wenry of the restraint, he desired to lenve the hospital; and as he fully understood the use of the instruments, and the plan to he pursuod, he was permitted to go out. He was then appointed schoolmaster to the National School at Blackrock, and continued to fulfil his nrduous duties for about three months, when, having walked a distance of two miles, he enddenly felt n severe pain in the tumour, extending down the leg. The pain continued unahated for two days, and then gradually subsided. Seven days after the occurrence of the severe pain, he called upon me. On examining the tumour, all pulsation and ceased. This he found to have taken place two days ngo, the contents of the tumour to have become consolidated, and all pain to have disappeared. Three months after the cessation of pulsation, I had an opportunity of examining the patient: the tumour, though diminished in size, was still to he felt about as large as a walnut, and very hard.

"November 15, 1850, I called upon him, and found him in the enjoyment of good health, equal to perform the duties attendant upon the management of a large school. A very small hard tumour is still traceable at the seat of the ancurism, and pain is sometimes felt down the outside of the leg. On examining the heart and large arteries, no morbid sound is nudible; they are upparently free from disease."

Reflections .- 1st. When we consider the protracted period required to accomplish n cure in this case, we learn not to ahandon hopes of a cure when our

efforts are haffled, and prove unavailing, even for six months.

2d. We find the excitement of the circulation and the hruit de soufflet to subeide and disappear on the cure of the aneurism just as similar sympathetic affections are relieved when the care is affected by ligature. This case, then, meets the objection urged against the treatment hy compression-viz., that disease of the heart is more likely to attend it than when a ligature is applied; for we see the same hencficial result follow the cure of the ancarism in this as in those cases cured by lighture .- Dublin Medical Press, December 11, 1850.

- 44. New Instruments for the Cure of Stricture .- Mr. THOMAS H. WAKLEY exhibited to the Medical Society of London (Jnn. 25th, 1851) a set of new instruments for the euro of stricture of the nrethra. He remarks, in suhmitting the instruments to the consideration of the Society, that the subject of the treatment of stricture of the nrethra had been much discussed within the last year or two, and had given rise to n great deal of controversy. It certainly was not n settled question what should be done in cases of severe permanent stricture. Mr. Syme, the distinguished surgeon of Edinhurgh, had, us was known, recommended, where the ordinary menns of treatment had failed, the division of such strictures hy perineal section. Probably the instruments which he then had the honour of hringing hefore the notice of the Society would, in some cases at least, render such an operation nunecessary. He had used them in several cases already with very satisfactory results. The instruments he at first used were by no means of n refined or perfect mannfacture, yet the advantagea been manufactured by Messrs. Weiss & Co., and, as might he expected, they were very perfectly executed. They consist of—
- 1. A catheter, thirteen inches in length, of n very small size, slightly enrved nt the extremity; the stem quito straight, and having at the end a worm for the reception of the screw of the directing-rod.

2. A small thumb-slide (removable at pleasure), screwing closely upon, and

ncting as a handle to, the catheter.

3. A steel rod, which passes into the cutheter as far as the screw, at which part both are united by two or three turns of the rod. The rod makes an addition of five inches to the length of the catheter. The rod and catheter comhined form the index-rod, or director, for the metallic and elastic tuhes.

4. Of the silver straight thhes, there are nine of graduated sizes; the first is only one size larger than the index-rod, and the others regularly increase in oircumference; the last, or No. 10, corresponding with that number of the ordinary bougie. These tubes are all of a conical shape at their distal extremities, and are so constructed as to fit the mouth of each tube with extreme exactness at the surface of the index-rod. They thus slide with the most perfect ease along that guide, and being directed by it, if the rod he in its proper situation, the tubee cannot take a wreng course or make a false passage, but must pass through the stricture.

5. There are also three clastic tubes, composed of a flexible metal, covered with elastic-gum fabrics. This combination gives to the instrument very consideroble strength, without rendering it elamsy or bulky. The extremity of each of these flexible tubes has the same form as that of the eilver tubes, and

fits with perfect necurocy the surface of the index-box.

Supposing, then, that a patient having stricture of the urethra is before the

surgeon for operation, the mode of proceeding is as follows:-

First, introduce the catheter, as gently and with an much care as possible, completely through the contracted part of the arethra into the hladder. Having done this, withdraw the stylet, and the surgeon having satisfied himself, by the escape of nrine, that the instrument is in the hladder, insert the smaller extremity of the steel rod into the catheter, and having secured it, hy making two or three turns of the rod, remove the thumb-slide and then pass No. 3 silver tube upon the index-rod right through the stricture or strictures. In performing this operation, the passage of the instrument will he much faci-litated by giving to the flanges u rotatory motion as they are held hetween the fingers and thumh. This tube being withdrawn, the others may all be passed in a similar manner, and in regular succession. The number to be introduced must of course he determined by the operator. After the last metallic tube is withdrawn, nn important object is still to be secured—that of keeping the command of a free urethra. How is that to be dono? This certainly is a point of considerable importance. Mr. Wakley stated that he was happy to eay that it might be accomplished with the greatest easo hy passing one of the elastic tubes over the index-rod, as was done in the case of the silver tuhes. One of the flexible tuhes being now in the hladder, the index-rod is to be withdrawn through it; this may be done with the most perfect ease and facility. The flexible tube may he left in the bladder to serve the purpose of a catheter, and also to afford a safe channel or guide for the re-introduction of the eilver entheter or index-rod.

The Society would not fail to perceive that the action of these instruments was safe and simple, and he had the plensure of stating that the use of them had given him very great satisfaction. The application of the knife for the relief of stricture had been much condemned, although it had been strongly advocated by Mr. Syme, who was undonhtedly n high authority. Still he (Mr. Wnkley) could not refroin from expressing n helief that there were strictures which might be removed by the instruments now before him, although Mr. Symo might consider that in such cases the perincal section would be absolutely necessary to effect n enre. Time and experience in the trial of both plans would be required to enable a decision to be formed as to their merits. Mr. Syme had remarked, in n letter published that day, that he had endeavoured to establish two positions: "First. That the division of a stricture by external incision, upon a grooved director, passed fairly through the contracted part, is an operation free from all ordinary sources of danger. Secondly, That, by this procedure, etrictures which resist every other mode of treatment are apt to resent seriously even the gentlest uso of simple bougios, may be speedily removed so as to allow instruments of the Inrgest size to be introduced without difficulty or inconvenience." The first proposition demanded particular nttention, because he thought the plan of treatment now proposed, by tubular expansion, would, in many cases of stricture contemplated by Mr. Syme, render the perineal section unnecessary. If the grooved director mentioned by Mr. Syme could be "passed fairly through the contracted part," of course the small-sized catheter or index-rod now shown could also be guided through the etricture into the bladder. Necessarily, if the one instrument could be passed, so could the other; and the passage being thus eccured, the tuhes, both metallic and flexible, might be made to take the same course without the slightest danger of making a false passage. In some very obstinate and inveterate strictures, he had succeeded in affording relief, almost without difficulty. Some of the strictures appeared to he of the worst possible form. He was glad to perceive some gentlemen in the room who had been present when the iastrumeats were ased at the hospital. Amongst them he observed his colleague, Mr. Gay, who could acquaint the Society with the result of the treatment as pursued in the case of one of hie patients. In that instance the man had heen treated in the ordinary way, hat without success. It was suggested that it was a case which would effectually test the efficiency of the new treatment. The rod and tubes were introduced in the presence of Mr. Guthrie and several othor gentlemen. After Mr. Gay had very cleverly, but not without some difficulty, introduced a No. 2 catheter, the metallic tubes from No. 3 to No. 9 were passed without a check. No. 8 clastic tube was then passed on the directing catheter, and the latter instrument withdrawn, leaving the elastic tube in the bladder. He might appeal to Mr. Gay as to the accuracy of the statement. Mr. Wakley believed that in the hands of others the effects produced by the iastruments would prove as satisfactory as they had heen to himself. At the hospital with which he was connected the opportunities for proving their utility were very frequent, and it would afford him pleasure to show any practitioner who might hoadour that institution with a visit, the maaner in which thoy were employed. The instruments had been seen by Sir B. Brodie, Mr. Gathrie, Mr. Stanley, Mr. Fergusson, and other distinguished surgeons, who all approved of the principles of treatment which their uso involved. In placing the instruments before the Society and the profession, he felt confident that they would receive a fair and candid trial. On a future occasion, he should take an opportunity of offering to the notice of the Society the further results of the treatment.-Lancet, Feb. 1, 1851.

45. Rupture of the Crucial Ligament of the Knee-joint .- Dr. STARK relates, in the Edinburgh Medical and Surgical Journal for Octoher, 1850, two instances of an injury, which he helieves to have been rupture of the crucial ligament of the knee-joint. The symptoms, nearly identical in both cases, were the following: There was no dislocation either of the ankle or of the knee-joint; no displacement of the knee-paa; no rupture of the tendo-Achillis, or of any of the tendons round the knee-joint. The motions of the ankle, and, when the patient was sitting, of the knee-joint, in so far as its ordinary motions were concerned, appeared perfect. In one case, when the patient assumed the erect posture, the kace-joint was found to be preternaturally movablo; and, wheaever any weight was endeavoured to be thrown on the right leg, the kage fell against the left leg, and bent with equal facility forwards or backwards. When the legs were extended, the slightest pressure on the patella caused the foot to he thrown upwards, and the leg could be bent forwards on the thigh to a certain extent. No pain was complained of in the knee-joint, but only a sensation of weariness; and thore was no redness, nor swelling, nor effusion of blood.

Dr. Stark made several trials on the first paticat, to ascertain the accuracy of the diagnosis. When the knee was bound tightly with a handkerchief, and kept slightly hent, the paticat could almost hear the weight of the body on it; but the moment he cadeavoured to straighten the limb the knee bent backwards under kim, and he fell to the ground unless supported. The lateral motion of the thina on the thigh-hone, though freer than usual, was yet so very limited that there was no reason to conclude that the lateral ligaments were injured.

The treatment consisted in fixing the limb in a nearly straight position, just so slightly hent as to allow the flexors of the leg to have a slight advantage over the strong exteasors attached to the patella. A strong flat steel spring, fourteen inches long, with a slight carvature, was coftly padded and hound to the hack of the kace-joint, half of its length projecting down the hack of the leg, half extending along the back of the thigh. The foot and leg to above the knee were then handaged moderately tight. The injury was altimately recovered from in both cases; but the knees remained weak, and the patients had to use support for a considerable period. In one case it was five months, in

the other three months and a week before the use of crutches could be dispensed with.

Dr. Stark thinks these cases interesting from their rarity, and from their proving that the injury in question may he perfectly recovered from. He infers that once must have been finally effected by a reunion taking place between the ends of the ruptured crucial ligaments.—Lond. Jour. Med., Dec. 1850.

46. Cotton Wadding as an Application to Bed-Sores and Varicose Ulcers .- In the treatment of wounds and nicers, one great indication is to protect the parts from exposure to the air. Adhesive plasters, and especially collodion, often serve this purpose, but are inapplicable where a large extent of surface is exposed. In these cases we helieve the application of cotton-wadding to he an effectual means of falfilling the indication. Mr. Robert Jones, of Conway (Lancet, Sept. 27, 1850), relates the case of a girl, aged 16, who had been suffering from typhus fever, and who had an extensive sloughing sore of the nates, with profuse and offensive discharge. Wine and hark were prescribed, and hroth and beef-tea given. Mr. Jones applied some cotton-wadding to the part, with a view of giving her a soft cushion to lie npon, as well as to absorb the ahundant discharge. After the application she appeared much relieved. On examination, three days after, the parts covering the spine and the crest of the ilium were granalating, the slough covering them had partially separated, and the parts heaeath were looking very well. Mr. Jones has also treated successfully a few cases of varicose ulcers of the lower extremities, hy the application of cotton-wadding. The manaer of applying it is simply to cover the ulcer, and to dress the patient every second or third day, a roller heing applied over the cotton. Perfect quietaess, and keeping the limb in the horizontal position, are enjoined; and three weeks or a month are generally sufficient for a cure.-Lond. Med. Jour., Dec. 1850.

OPHTHALMOLOGY.

47. Preparatory and After-treatment in Cataract Operations. By ARTHUR JACOB, M. D .- The value of preparatory and after-treatment as part of the surgeon's caro in cataract operations has been fully appreciated, and, in practice, amply made available; but the value of a respectful consideration of all the functions of the animal economy apon which health depends has not heen so well understood. It is assumed that a patient should be prepared for an operation by taking physic and abstaining from food, yet a rational man, acqualated with the consecutive operation of each apparatus provided for the growth, repair, and preservation of the living being may well doubt the correctness of such a view. The aniversal faith reposed in the practice of giving and taking physic has led practitioners not only to place too much reliance on that resource, but to resort to it sometimes to the injury of the patient, as I find in the case under consideration. In preparing a patient for operation, I do not act on the helief that empty bowels are essential to health, or that what are called feces should not be found in the intestinal canal; on the contrary, I proceed on a conviction totally different. If a patient be in good health, notwithstanding an hahitoal rotention of the contents of the bowels heyond the prescribed periods, I do not wish to risk an interruption of health hy disturbing the natural functions of the stomach and bowels, and I therefore refrain from giving physic. But if the patient be not in good hoalth, I of course endeavour to hring him into that condition hy every means in my power, and resolutely resist every attempt to induce me to operate natil I have accomplished that object. Above all things, the state of the digestive organs should be carefully studied, and if found defective, if possible, repaired. Nothing seems to require more attention than the state of the tongue as indicative of the state of the stomach and bowels. If it be white, or coated with discolonred adhesive muchs, the functions of assimilation and nutrition are probably imperfectly performed, and a resolting tendency to destructive inflammation from local injury is engendered.